Geospatial Data Collection for the FAA Airports GIS Program

A Change in Direction

Airports GIS Team

Dr. Mike McNerney – Team Lead

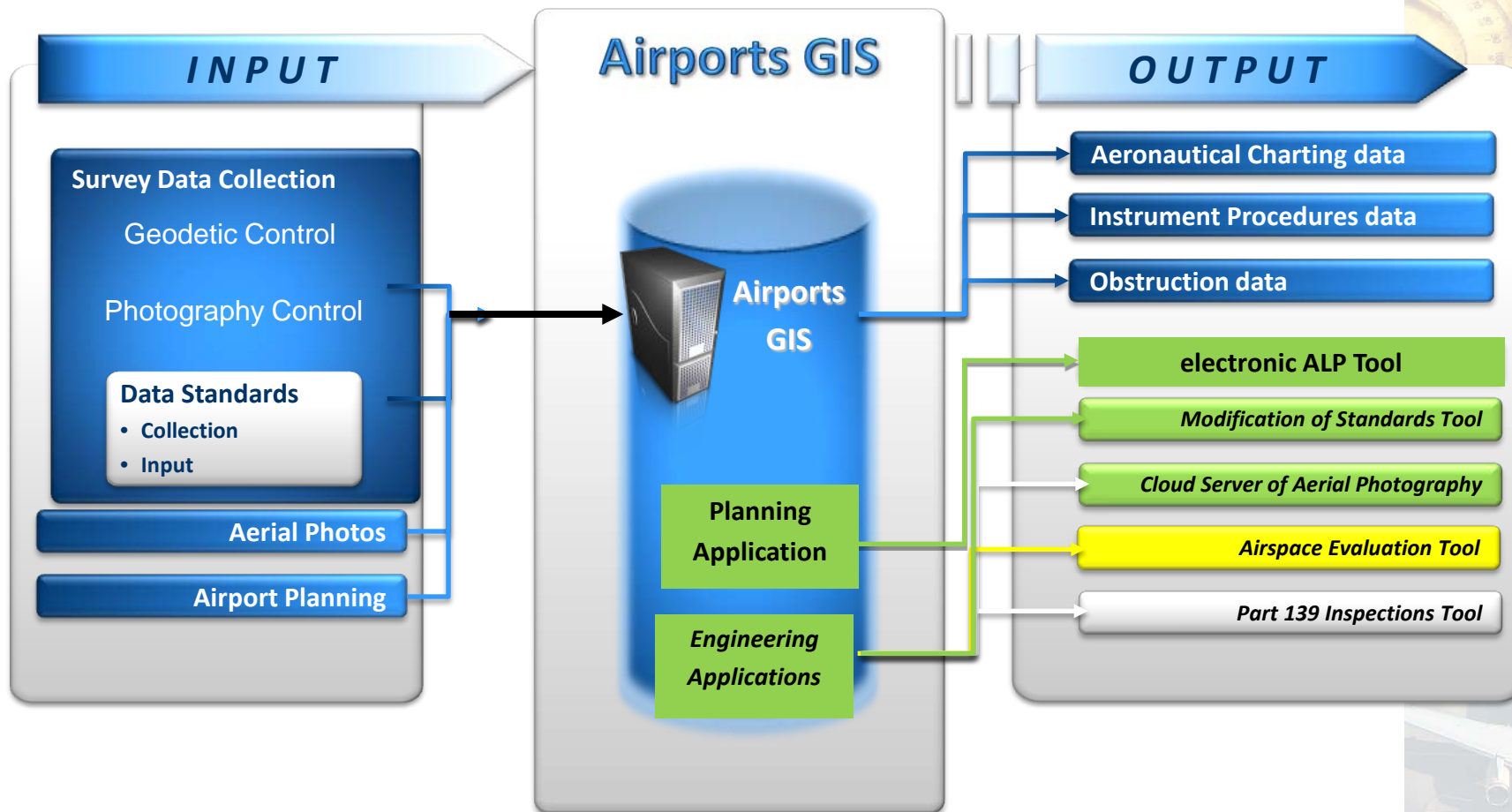### Dr. Shyam Parhi – System Development

Terry Rhea – Data Lead

Presented to | Aeronautical Charting Forum

Date | April 30, 2014

New Implementation

- **eALP module quarterly improvements**
  - ‣ Redesign to provide a custom printed ALP drawing set
- **Modification of Standards in testing**
  - ‣ Start testing with ASW and ASO regions
- **Cloud server FAA Implementation**
  - ‣ Aerial Photography
  - ‣ NASR Subset Data
  - ‣ Google Earth Airport View
  - ‣ Airport Data Upload
    - • ALP, Signage and Marking Plans, SHP files
- **Airport 20:1 Penetrations Visualization Tool**
  - ‣ DEMONSTRATION - Terry Rhea

https://airports-gis.faa.gov/

Federal Aviation Administration

Data Required

- **3,330 NPIAS Airports**

- **Major airports require updates 3-5 years**

- **2000 projects per year (60%-70% require survey)**
  - Peak Data collection time

- **Data migration from NASR (2015)**

- **Pilot test of 18B surveys/ feature extraction from Satellite Imagery.**
  - Marshal Islands
  - DO-200A Certified Provider with Sub meter accuracy